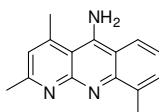




Certificate of Analysis

Axon Catalogue ID: 2136 **Batch Number:** 1
Product Name: AR03
Alternative Name(s): Ape1 inhibitor AR03
IUPAC Name: 2,4,9-Trimethylbenzo[b][1,8]naphthyridin-5-amine

Structure:



Amount:

CAS number(s): 510721-85-4
Molecular Formula: C₁₅H₁₅N₃ **Molecular Weight:** 237.30
Batch Molecular Formula: C₁₅H₁₅N₃·0.2H₂O **Batch Molecular Weight:** 240.90
Appearance: Yellow solid **Observed mp:** 197 - 198 °C (decomp)
TLC (R_f): 0.6 DCM/MeOH/NH₃ (19:0.9:0.1)
Chemical Purity: 99.1%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 74.79, H 6.44, N 17.44; Found: C 74.85, H 6.45, N 17.45
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	19.6	81.4	
	DMSO	24.1	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 27-6-2023

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only